

01408152 SOUTH BRANCH METEDECONK RIVER NEAR LAURELTON, NJ

METEDECONK RIVER BASIN

LOCATION.--Lat 40°04'42", long 74°09'24" referenced to North American Datum of 1983, Brick Township, Ocean County, NJ, Hydrologic Unit 02040301, at bridge on Chambers Bridge Road (County Route 549), 0.4 mi upstream from mouth, and 1.7 mi northwest of Laurelton.

DRAINAGE AREA.--30.8 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 2003-04, 2006-08.

GAGE.--Reference point only.

DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Date	Discharge, in ft ³ /s
Oct 11, 2007	39.9

01408152 SOUTH BRANCH METEDECONK RIVER NEAR LAURELTON, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1976-78, 1999, 2007-08.

REMARKS.--Cooperative Network Site Descriptor: Statewide Status, NJ Department of Environmental Protection Watershed Management Area 13.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 5

[Remark codes: <, less than; E, estimated.]

Date	Time	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	UV absorb- ance, 254 nm, wat flt units /cm (50624)	UV absorb- ance, 280 nm, wat flt units /cm (61726)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf μS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, mg/L fltrd, (00915)
Nov 26...	0830	5.6	.138	.110	768	9.6	82	6.5	160	7.0	8.0	26	7.57
Feb 27...	0900	4.7	.142	.109	750	10.5	85	6.6	346	5.0	5.7	29	8.51
May 19...	0800	4.2	.298	.234	752	7.7	78	6.7	135	12.0	15.8	23	6.55
Aug 28...	0730	3.7	.162	.128	765	7.5	81	6.7	168	18.0	20.1	27	7.87

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 5

[Remark codes: <, less than; E, estimated.]

Date	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total non- filter- able, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)
Nov 26...	1.83	2.31	16.8	12	26.9	<.12	6.2	11.6	E83	93	7	.24	.082
Feb 27...	1.89	2.04	50.4	9	83.8	<.12	6.3	14.2	E176	190	5	.24	.084
May 19...	1.50	1.85	13.7	12	22.0	<.12	4.7	10.2	E70	84	2	.46	.099
Aug 28...	1.90	2.14	18.7	17	28.9	<.12	2.7	10.4	84	109	3	.68	.048

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 5

[Remark codes: <, less than; E, estimated.]

Date	Nitrate + nitrite water fltrd, mg/L as N (00631)	Particulate nitro- gen, susp, water, mg/L (49570)	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Arsenic water, fltrd, µg/L (01000)	Arsenic water, unfltrd µg/L (01002)
Nov 26...	.53	.07	.76	.83	E.004	.011	.033	1.1	<.04	1.1	3.3	--	--
Feb 27...	.78	.05	1.0	1.1	E.004	.009	.022	.6	<.04	.6	3.3	.23	E.34
May 19...	.43	.08	.89	.97	E.002	.025	.035	.9	<.04	.9	5.3	--	--
Aug 28...	.28	.07	.97	1.0	<.010	.012	.020	.7	<.04	.7	3.4	.33	E.40

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 5

[Remark codes: <, less than; E, estimated.]

Date	Barium, water, unfltrd recover- able, µg/L (01007)	Beryllium, water, unfltrd recover- able, µg/L (01012)	Boron, water, unfltrd recover- able, µg/L (01020)	Boron, water, unfltrd recover- able, µg/L (01022)	Cadmium water, unfltrd recover- able, µg/L (01027)	Chromium, water, unfltrd recover- able, µg/L (01034)	Copper, water, unfltrd recover- able, µg/L (01042)	Iron, water, unfltrd recover- able, µg/L (01045)	Lead, water, unfltrd recover- able, µg/L (01051)	Manganese, water, unfltrd recover- able, µg/L (01055)	Mercury water, unfltrd recover- able, µg/L (71900)	Nickel, water, unfltrd recover- able, µg/L (01067)	Selenium, water, unfltrd µg/L (01147)
Nov 26...	--	--	20	--	--	--	--	--	--	--	--	--	--
Feb 27...	42.8	.05	17	17	.13	.48	<1.2	802	1.49	54.1	E.009	1.3	.12
May 19...	--	--	18	--	--	--	--	--	--	--	--	--	--
Aug 28...	38.1	<.04	21	22	<.01	<.40	1.3	1,100	.66	46.9	.011	.81	.10

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007
TO SEPTEMBER 2008

Part 5 of 5

[Remark codes: <, less than;
E, estimated.]

Date	Silver, water, unfltrd recover -able, µg/L (01077)	Zinc, water, unfltrd recover -able, µg/L (01092)
Nov		
26...	--	--
Feb		
27...	<.02	14.5
May		
19...	--	--
Aug		
28...	<.02	5.3